

Wei Yao

List of Publications by Year in descending order

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19
papers

2,086
citations

687363

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794594

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times ranked

3741
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer PtSe ₂ , a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. Nano Letters, 2015, 15, 4013-4018.	9.1	560
2	Lorentz-violating type-II Dirac fermions in transition metal dichalcogenide PtTe ₂ . Nature Communications, 2017, 8, 257.	12.8	337
3	Gaps induced by inversion symmetry breaking and second-generation Dirac cones in graphene/hexagonal boron nitride. Nature Physics, 2016, 12, 1111-1115.	16.7	179
4	Quasicrystalline 30° twisted bilayer graphene as an incommensurate superlattice with strong interlayer coupling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6928-6933.	7.1	169
5	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe ₂ film. Nature Communications, 2017, 8, 14216.	12.8	151
6	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. Nature Physics, 2013, 9, 621-625.	16.7	149
7	High quality atomically thin PtSe ₂ films grown by molecular beam epitaxy. 2D Materials, 2017, 4, 045015.	4.4	142
8	Disorder-induced multifractal superconductivity in monolayer niobium dichalcogenides. Nature Physics, 2019, 15, 904-910.	16.7	86
9	Topological Surface State Enhanced Photothermoelectric Effect in Bi ₂ Se ₃ Nanoribbons. Nano Letters, 2014, 14, 4389-4394.	9.1	79
10	Experimental Evidence of Chiral Symmetry Breaking in Kekulé-Ordered Graphene. Physical Review Letters, 2021, 126, 206804.	7.8	72
11	Stacking-Dependent Electronic Structure of Trilayer Graphene Resolved by Nanoscale Angle-Resolved Photoemission Spectroscopy. Nano Letters, 2017, 17, 1564-1568.	9.1	63
12	Evidence for a Quasi-One-Dimensional Charge Density Wave in CuTe by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2018, 121, 206402.	7.8	33
13	Widely tunable band gap in a multivalley semiconductor SnSe by potassium doping. Physical Review Materials, 2018, 2, .	2.4	17
14	Self-energy dynamics and the mode-specific phonon threshold effect in Kekulé-ordered graphene. National Science Review, 2022, 9, .	9.5	15
15	Monolayer charge-neutral graphene on platinum with extremely weak electron-phonon coupling. Physical Review B, 2015, 92, .	3.2	12
16	Progress on band structure engineering of twisted bilayer and two-dimensional moiré heterostructures*. Chinese Physics B, 2020, 29, 127304.	1.4	8
17	Electronic structure of molecular beam epitaxy grown 1 T MoTe_2 film and strain effect*. Chinese Physics B, 2019, 28, 107307.	1.4	7
18	Spatially-resolved electronic structure of stripe domains in IrTe ₂ through electronic structure microscopy. Communications Physics, 2021, 4, .	5.3	4

#	ARTICLE	IF	CITATIONS
19	Experimental evidence of plasmarons and effective fine structure constant in electron-doped graphene/h-BN heterostructure. Npj Quantum Materials, 2021, 6, .	5.2	3